



Traffic, Transit and Commute Info

California 511 Workshop ***March 4, 2008***

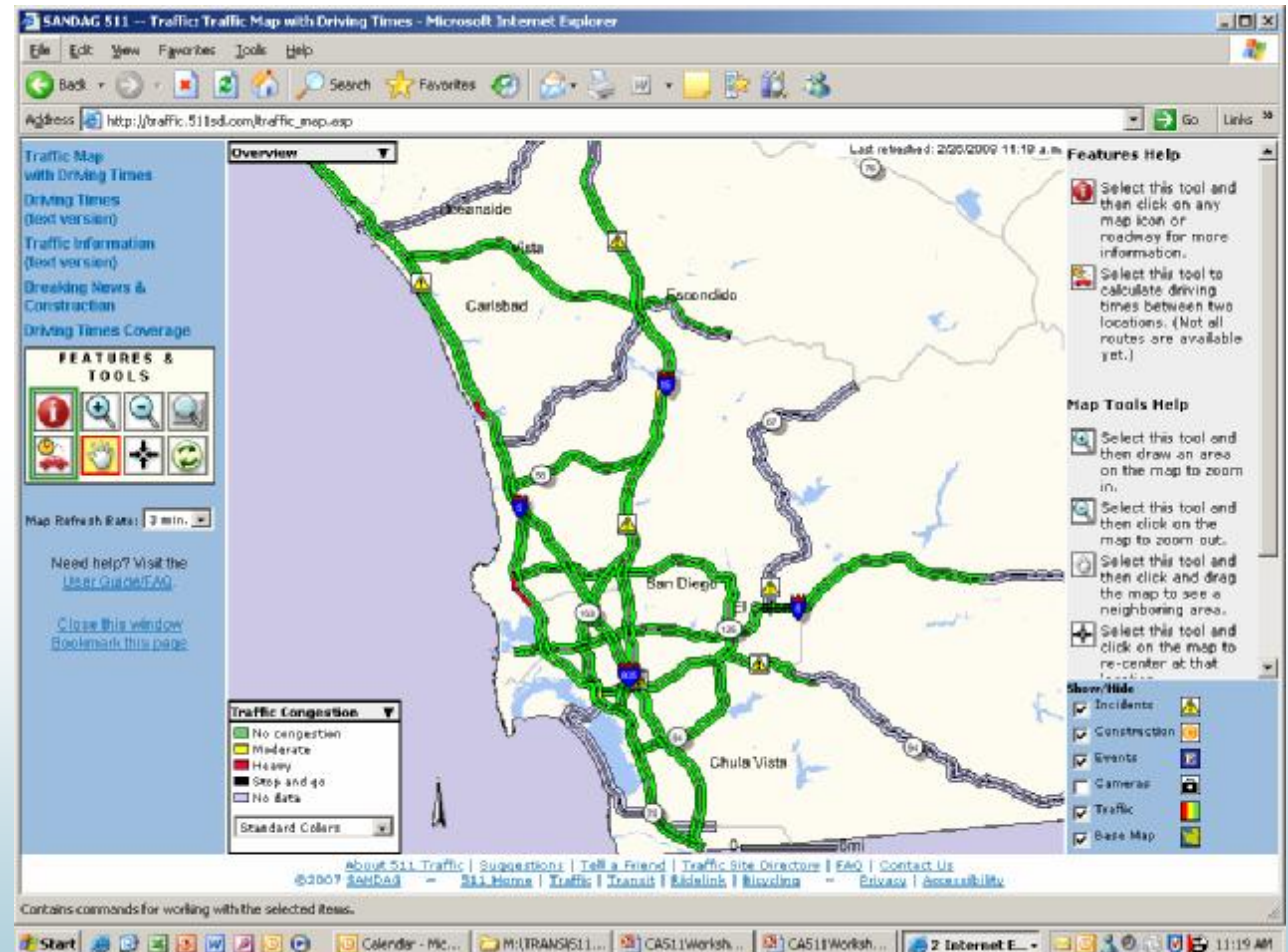
*Different Information Needs
for Different Markets*



- Cars
 - Real-Time Traffic Conditions
 - Real-Time Driving Times
 - Camera Views
- Trucks
 - CVO
- Transit
 - Real-Time Bus Information
- Wildfires

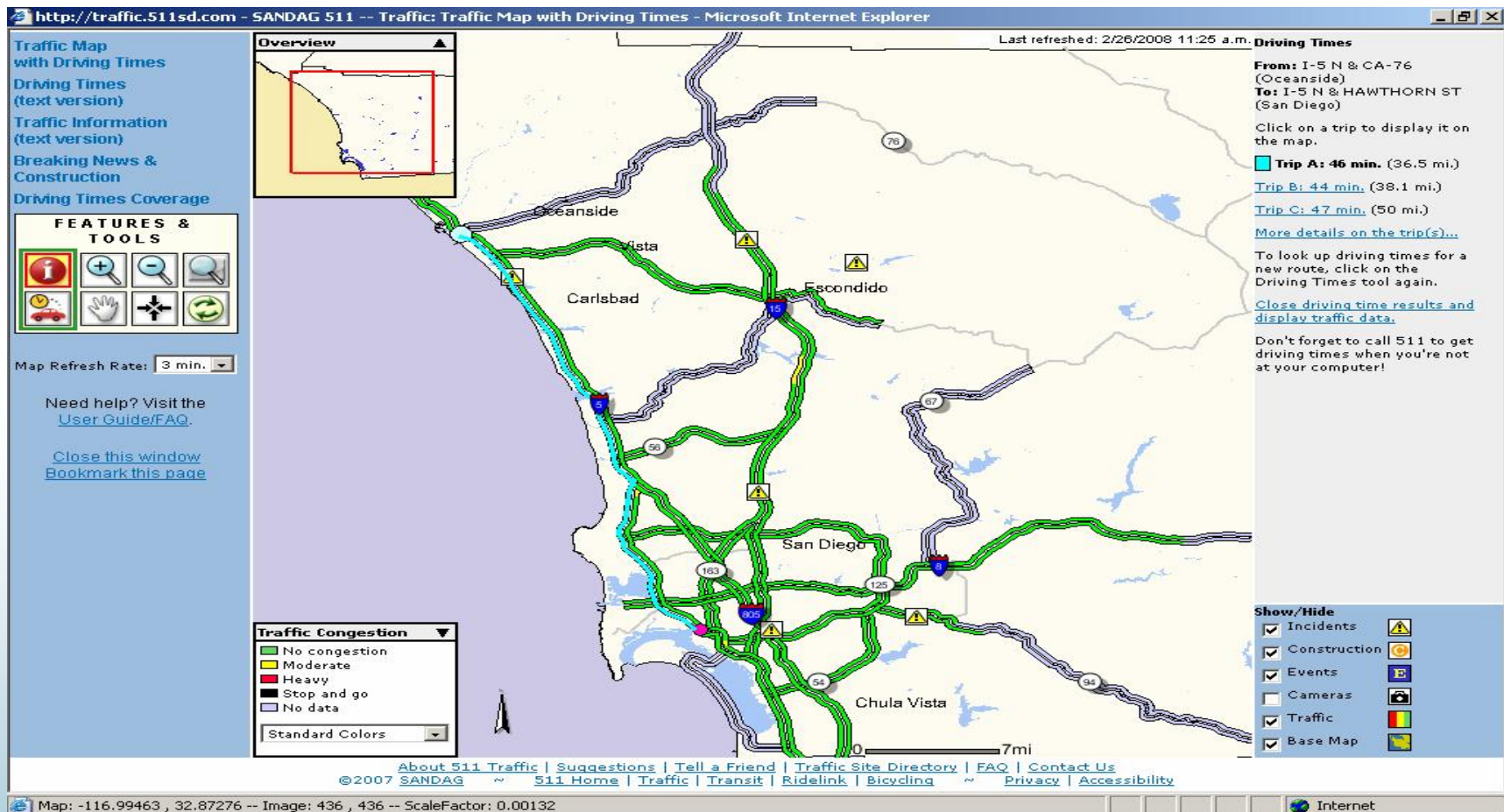


- Traffic Page
 - Regional Traffic Map
 - Real-Time Information
 - § Driving Times
 - § Incidents
 - § Congestion
 - § Construction
 - Highway Camera Views





Driving Times





Incidents

SANDAG - Traffic: Traffic Information - Microsoft Internet Explorer

Address: http://traffic.511sd.com/traffic_text_all.asp

511 Click, Call, Connect.

Traffic Transit RideLink Bicycling FasTrak

Traffic Map with Driving Times
Driving Times (text version)
Traffic Information (text version)
Breaking News & Construction
Driving Times Coverage
Skip Navigation
[What is "skip navigation"?](#)

Traffic Information (text version)

(no refresh) Refresh every 5 4 3 2 minutes
Last refreshed: 2/26/08 11:32 a.m.

Need help with this feature? Visit the 511 Traffic Site's [User Guide/FAQ](#).

Related Information:
[traffic info summary](#)
[incidents](#) | [events](#) | [construction](#) | [cameras](#)

Current traffic information summary:
(Click header to sort table.)

Type	Route	Cross Street	Description
	I-805 N	HOME AVE	Incident More info
	SWEETWATER SPRINGS BLVD	DEL RIO RD	Traffic Collision - No Injuries More info
	VALLEY CENTER RD	ESC CITY LIMITS	Traffic Hazard More info
	I-15	MISSION RD	Incident More info
	I-5	PALOMAR AIRPORT	Incident More info
	RIVERA ST	BAVARIA ST	Traffic Collision - No Injuries More info
	I-5 S	TAMARACK AVE	Traffic Collision - Ambulance Responding More info

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Internet





Incidents

SANDAG 511 - Traffic: Incident Details - Microsoft Internet Explorer

Address: http://traffic.511sd.com/traffic_text_incident_detail.asp?id=45281

511 Click, Call, Connect.

Traffic Transit RideLink Bicycling FasTrak

Traffic Map with Driving Times
Driving Times (text version)
Traffic Information (text version)
Breaking News & Construction
Driving Times Coverage
Skip Navigation
[What is "skip navigation"?](#)

Traffic Information (text version)

(no refresh) Refresh every 5 4 3 2 minutes
Last refreshed: 2/26/08 11:29 a.m.

Related Information:
[traffic info summary](#)
[incidents](#) | [events](#) | [construction](#) | [cameras](#)

Need help with this feature? Visit the 511 Traffic Site's [User Guide/FAQ](#).

Incident detail:

Route:	I-805 N
Cross Street:	HOME AVE
Description:	Incident
Status:	Confirmed report
Start time:	2/26/08 11:21 a.m.
Estimated duration:	25 min.
Lanes affected:	
Information Source:	Caltrans-D11

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[Traffic and Driving Times Map](#) | [Driving Times \(text version\)](#)
[Traffic Information \(text version\)](#) | [Breaking News & Construction](#)
[Driving Times Coverage](#)

http://traffic.511sd.com/traffic_text_all.asp

Internet





Camera Views

http://traffic.511sd.com - SANDAG 511 -- Traffic: Traffic Map with Driving Times - Microsoft Internet Explorer

Last refreshed: 2/26/2008 11:27 a.m.

Features Help

- Select this tool and then click on any map icon or roadway for more information.
- Select this tool to calculate driving times between two locations. (Not all routes are available yet.)

Map Tools Help

- Select this tool and then draw an area on the map to zoom in.
- Select this tool and then click on the map to zoom out.
- Select this tool and then click and drag the map to see a neighboring area.
- Select this tool and click on the map to re-center at that location.
- Click this tool to zoom out to the full map.
- Click this tool to refresh the map with the latest.

Show/Hide

- ☒ Incidents
- ☒ Construction
- ☒ Events
- ☒ Cameras
- ☒ Traffic
- ☒ Base Map

Traffic Congestion

- No congestion
- Moderate
- Heavy
- Stop and go
- No data

Standard Colors

Map Refresh Rate: 3 min.

Need help? Visit the [User Guide/FAQ](#).

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San Diego

0 1mi

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Map: -117.08445, 32.78095 -- Image: 550, 550 -- ScaleFactor: 0.000244

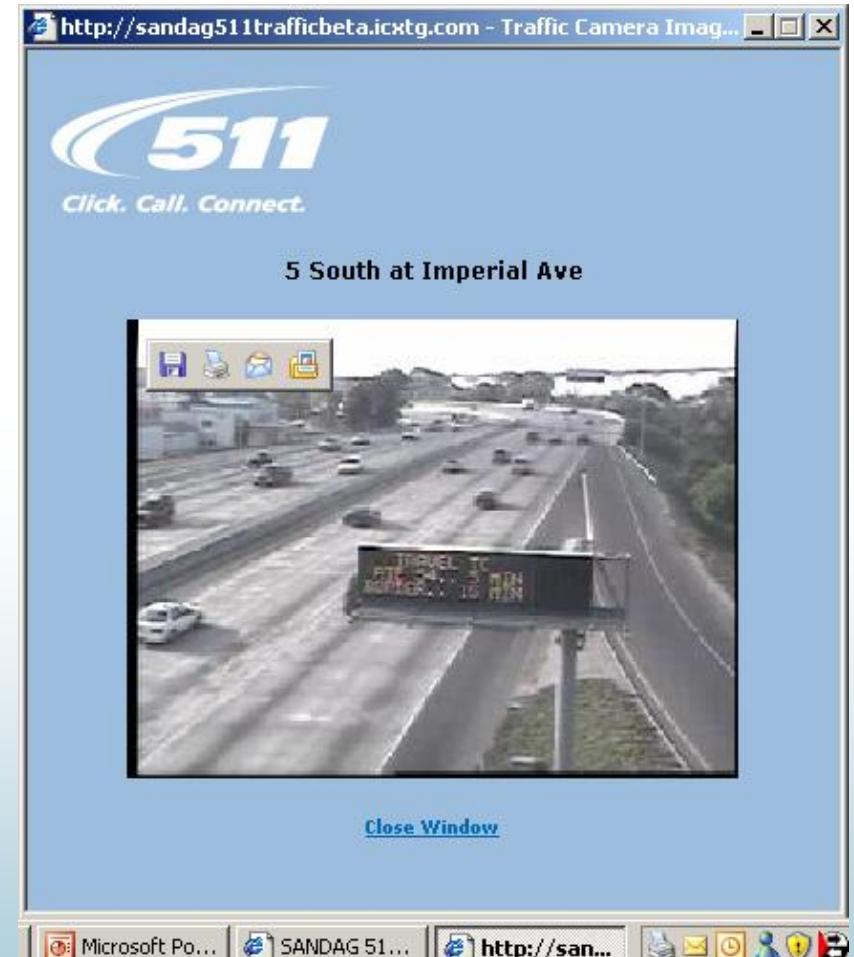
Internet





Camera Views

- 70 Locations
- Interactive Map or Table
- Still Views
- Clips
- Streaming Video
- Mobile Solution



- Companion Project 1
 - Identify Future CVO
 - Connecting to Travel Information
 - Design and Deploy Systems
 - § Collect, Push and Disseminate
 - § Real-time CVO Transportation Information
 - Identify the Architect
- Companion Project 2
 - Detailed Design
 - Disseminate CVO Specific Info
 - Deploy Near-term Projects





CVO – Companion Project 1

- Update Federal Work Program
- User Needs Assessment
 - On-Line Survey
 - Stakeholder
- Concept of Operations
- Requirements Document
- Architecture





Transit - Where is my bus?

- Real-Time Bus Information
- Available on 75 Routes
- Transit Survey
 - Survey of Users
 - Reliability Testing
- Stop ID's





Bus Departure Testing

- **Working with SANDAG Technical Services**

- **Functionality Testing**

- § Recruiting SANDAG Staff
 - § Use the 511 system during their commute
 - § Maintain Logs
 - § Meeting to review and discuss comments

- **Accuracy Testing**

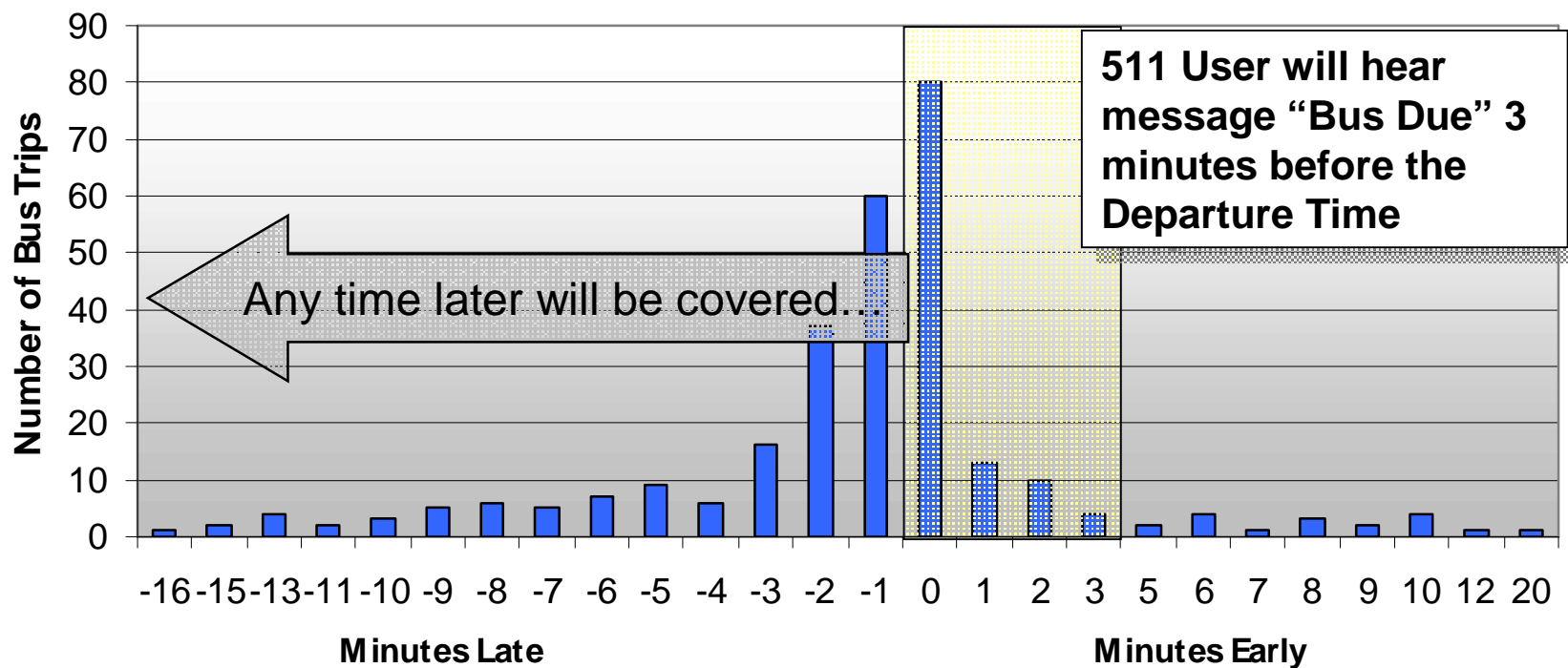
- § Tested 288 bus trips (MTS/NCTD routes)
 - § Departs after predicted time (roughly 75%)
 - § Departs 1 to 3 before predicted time (10%)





Bus Departure Accuracy

ACCURACY OF 511 NEXT BUS DEPARTURE INFORMATION

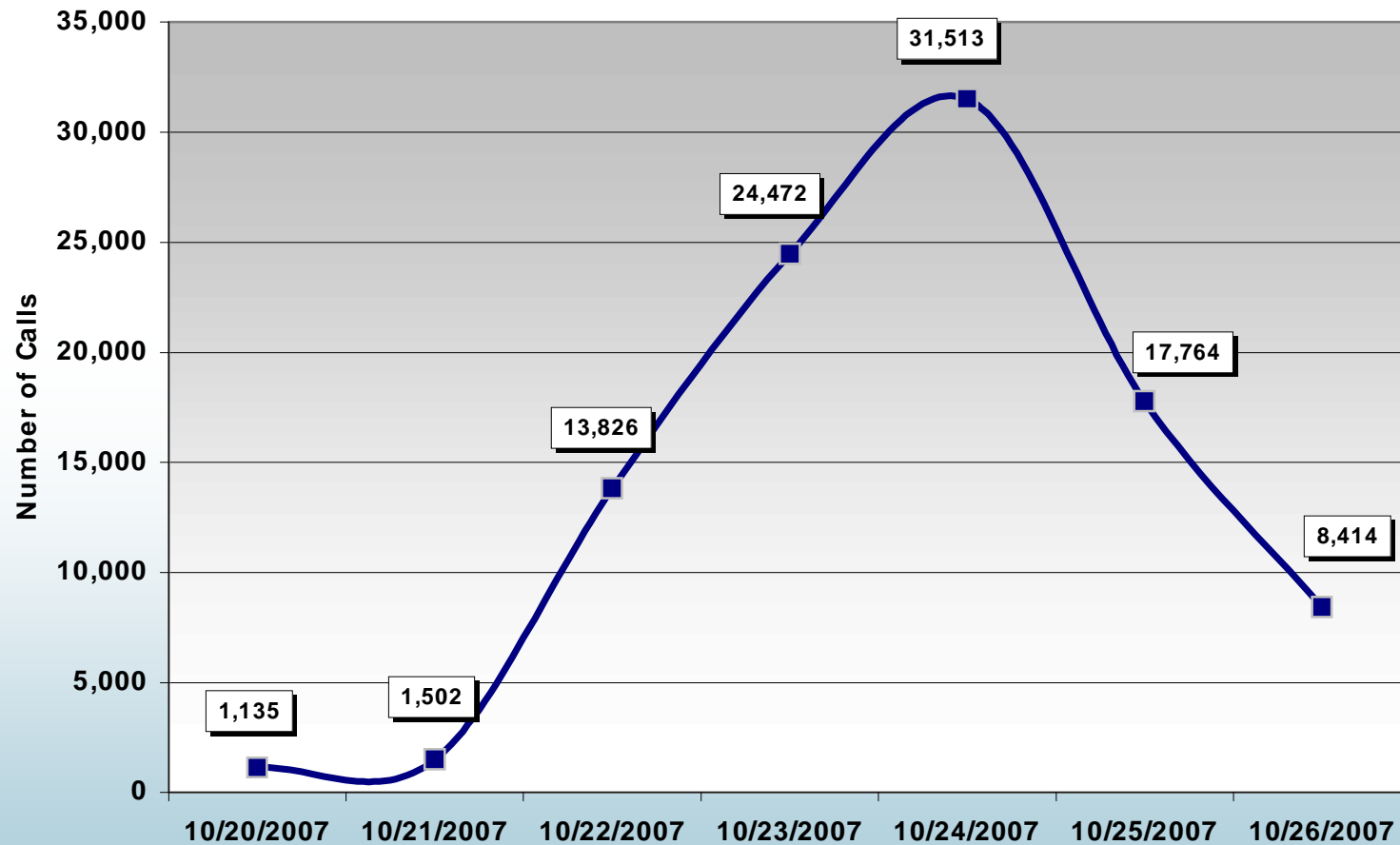


- **Benefit During Wildfires**
 - Received record usage
 - Maintained 24/7 availability
 - Increase visibility from Public Officials and media
- **Issues During Wildfires**
 - Clearly and accurately depicting road conditions
 - Driving Times presented traffic as free-flowing
 - Users expected a complete regional picture
 - Consistency of accurately classified data
 - Expected 511 Operator assistance



Usage - Phone

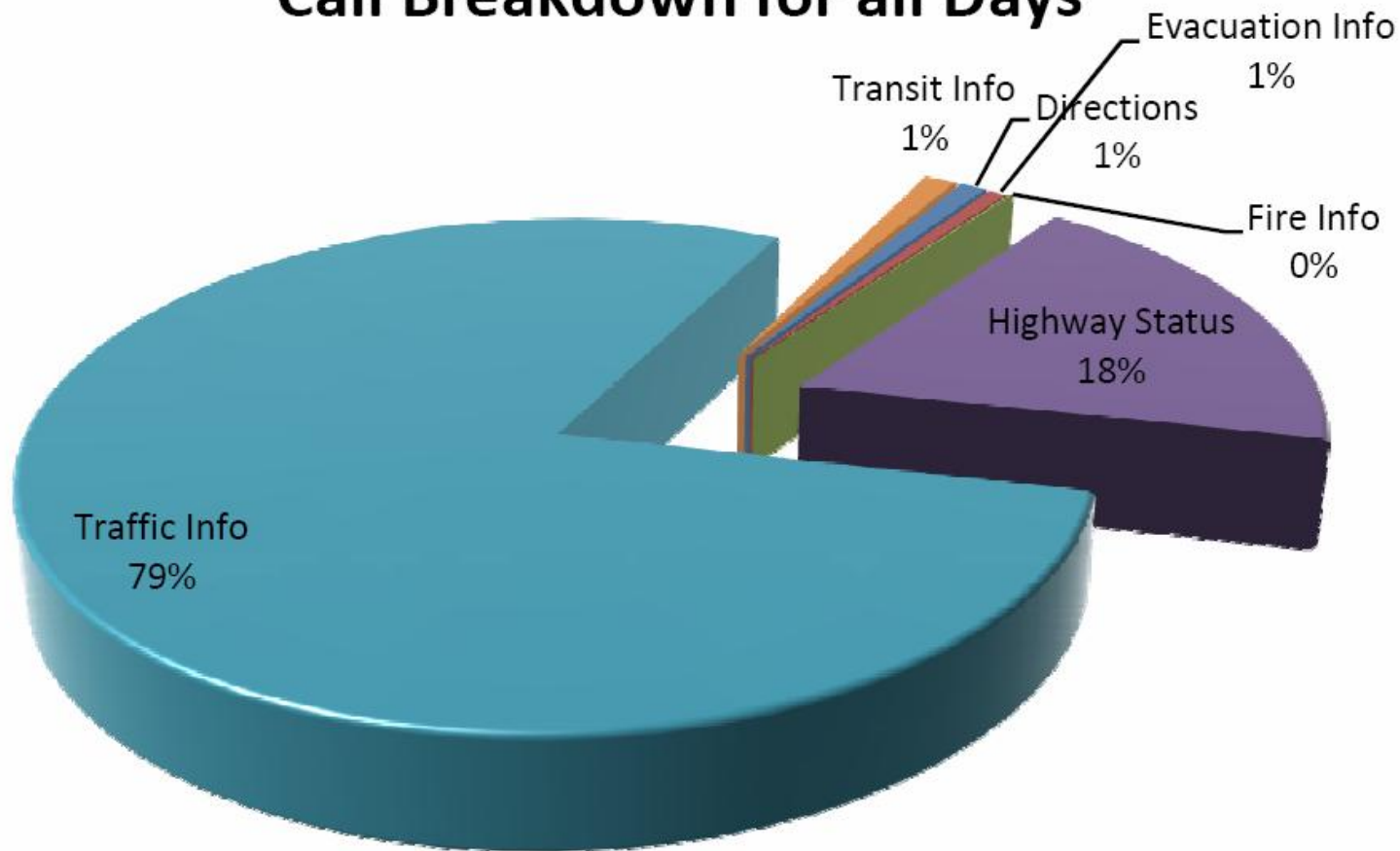
Figure 1: 511 Phone Calls
(Oct. 20-26, 2007)





Callers Assisted

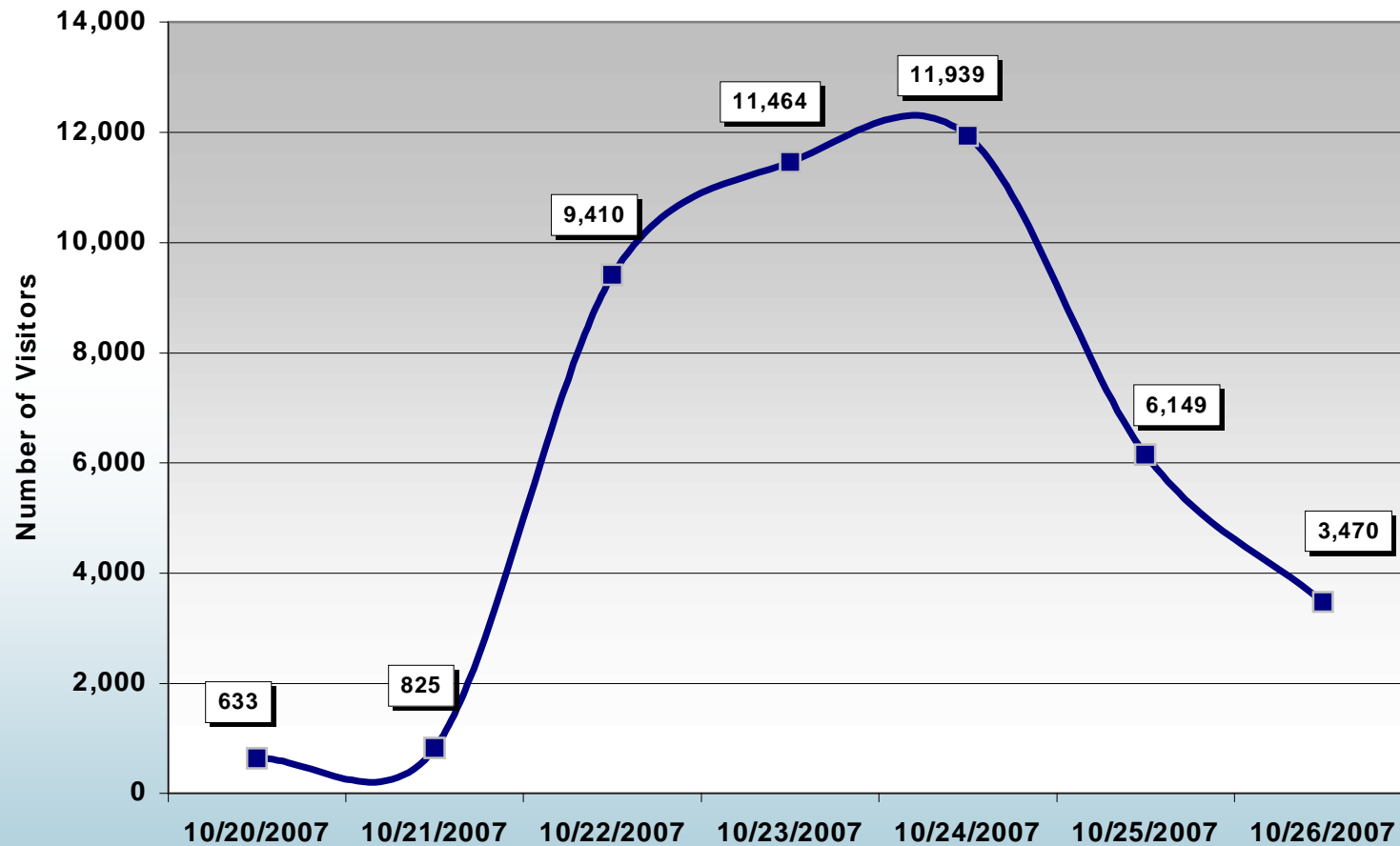
Call Breakdown for all Days





Usage - Web

Figure 2: 511 Web Visitors
(Oct. 20-26, 2007)





511 Road Closure Feature

- Displays road closure automatically
- Redirects commuters around the road closure
- Identifying funding

